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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080003
Agency Interest No.: 121323

Mr. Peter M. Kirsch
Vice President
CenterPoint Field Services, Inc.
1111 Louisiana Ave., 11th Floor
Houston, TX 77002

RE: Part 70 Operating Permit, Goat Hill Compressor Station, CenterPoint Energy Field Services, Inc., Haughton, Bossier Parish, Louisiana

Mr. Kirsch:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 0400-00131-V5

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:CXL
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CENTERPOINT ENERGY FIELD SERVICES, INC. / GOAT HILL COMPRESSOR STATION
PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 air operating permit modification for CenterPoint Energy Field Services, Inc., 1111 Louisiana Ave., 11th Floor, Houston, TX 77002 for the Goat Hill Compressor Station. **The facility is located 7 Miles South of I-20 on Goat Hill Road, Haughton, Bossier Parish.**

CenterPoint requested a Part 70 air operating permit modification. Goat Hill Compressor Station is a natural gas gathering compressor station which compresses natural gas using compressor engines. Glycol dehydrators serve to remove water from produced natural gas streams. The dehydrators are equipped with a vapor recovery system which condenses all hydrocarbons that are condensable. The non-condensable hydrocarbons are routed to the reboilers for combustion. No physical changes or changes of operation method are involved with this permit. Since some of the compressor engines will be subject to the requirements of NSPS Subpart JJJJ, the permit for the Goat Hill Compressor Station will be changed from a general Part 70 operating permit to a regular Part 70 operating permit. The facility is currently operating under permit No. 0040-00131-V4 which was issued on September 4, 2008.

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Estimated emissions from the facility in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	6.18	6.18	-
SO ₂	0.42	0.42	-
NO _X	328.38	328.38	-
CO	140.60	140.60	-
VOC	98.20	105.47	+ 7.27

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, February 19, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written form_7118_r01
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comments or a written request for notification of the final decision.

The permit application, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.

Additional copies may be reviewed at the Bossier Parish Library - East 80 Branch, 1050 Bellevue Road, Haughton LA 71037.

Inquiries or requests for additional information regarding this permit action should be directed to Cathy Lu, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3124.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 121323, Permit Number 0400-00131-V5, and Activity Number PER20080003.

Scheduled Publication Date: Friday, January 16, 2009

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Goat Hill Compressor Station
Agency Interest No. 121323
CenterPoint Energy Field Services, Inc.
Haughton, Bossier Parish, Louisiana**

I. Background

Goat Hill Compressor Station, an existing natural gas gathering compressor station, began operation in 2004. The previous permit for this facility is the General Part 70 Operating Permit No. 0400-00131-V4, issued September 4, 2008.

This is the Regular Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire, dated October 27, 2008, were submitted by CenterPoint Energy Field Services, Inc. requesting a Part 70 operating permit.

III. Description

Goat Hill Compressor Station is a natural gas gathering compressor station which compresses natural gas using compressor engines. Glycol dehydrators serve to remove water from produced natural gas streams. The dehydrators are equipped with a vapor recovery system which condenses all hydrocarbons that are condensable. The non-condensable hydrocarbons are routed to the reboilers for combustion.

Construction and operation of natural gas fired Compressor Engine 3-08 (EQT082) were approved in the Permit No. 0400-00131-V4 issued September 4, 2008. At that time, the company did not know which engine (old or new) would be available. Thus, requirements of NSPS Subpart JJJJ were not put for this engine. CenterPoint Energy Field Services, Inc. has recently obtained a contract for an engine which will be subject to the requirements of NSPS Subpart JJJJ. These requirements are therefore added to the permit for this engine. This permit modification also updated VOC emission rates for Engine 1-08 (EQT025), 2-08 (EQT026), and 3-08 (EQT027) and updated specific requirements for EQT023, CRG003, and CRG004.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	6.18	6.18	-
SO ₂	0.42	0.42	-
NO _X	328.38	328.38	-
CO	140.60	140.60	-
VOC *	98.20	105.47	+ 7.27

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Goat Hill Compressor Station
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Haughton, Bossier Parish, Louisiana

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Acetaldehyde	4.16	4.16	-
Acrolein	2.74	2.74	-
Benzene	1.75	1.75	-
Ethylbenzene	0.07	0.07	-
Formaldehyde	12.43	12.43	-
Methanol	1.59	1.59	-
n-Hexane	1.95	1.95	-
Toluene	0.95	0.95	-
Xylenes (mixed isomers)	0.15	0.15	-
Total	25.79	25.79	-

Other VOC (TPY): 79.68

IV. Type of Review

This application was reviewed for compliance with Louisiana Part 70 operating permit program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review is not required.

Formaldehyde emissions are from natural gas fired engines. Therefore, these emissions are exempt from the Louisiana Air Toxic Regulations. The facility is classified as a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III Chapter 51. Formaldehyde emissions are above the Hazardous Air Pollutants (HAP) major source threshold of 10 tons per year. The station is considered a major source of HAP under the federal program.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit

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Haughton, Bossier Parish, Louisiana**

condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009; and in the <local paper>, <local town>, on <date>, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed permit were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Goat Hill Compressor Station
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CenterPoint Energy Field Services, Inc.
Haughton, Bossier Parish, Louisiana**

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - TPY
Gas Sampling		VOC: < 0.1
Equipment/Station Blowdown		VOC: < 0.1
Pump Maintenance		VOC: < 0.1
Safety Inspections/Checks on Rupture disks		VOC: < 0.1
Safety Inspections/Checks on Pressure/Vacuum Vents on Tanks		VOC: < 0.1
Inspections on Control Devices		VOC: < 0.1
Service Factors on Control devices		VOC: < 0.1
Removal of Tank Sludge		VOC: < 0.1
Vessel Preparation		VOC: < 0.1
Instrument Maintenance		VOC: < 0.1
Tank Gauging		VOC: < 0.1
Removal of Solids from Sumps		VOC: < 0.1
Nitrogen Blowing of Lines and Equipment		VOC: < 0.1
Changing Filters		VOC: < 0.1
Compressor Maintenance		VOC: < 0.1
Valve Maintenance		VOC: < 0.1
Draining Compressor Bottles		VOC: < 0.1
Miscellaneous Equipment Preparation		VOC: < 0.1

IX. Insignificant Activities

ID No.	Description	Citation
-	1000 gallon triethylene glycol storage tanks (3)	LAC 33:III.501.B.5.A.3
-	500 gallon new oil storage tanks (7)	LAC 33:III.501.B.5.A.3
-	500 gallon antifreeze storage tanks (12)	LAC 33:III.501.B.5.A.3
-	600 gallon waste oil tank (1)	LAC 33:III.501.B.5.A.3
-	210 bbl run off tank (1)	LAC 33:III.501.B.5.A.3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
 Agency Interest No.: 121323
 CenterPoint Energy Field Services Inc
 Haughton Bossier Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33: III																	
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2122	22	29*	51*	56	59*
UNF001	Goat Hill Compressor Station		1	1														2	2
EQT004	3-04A - Glycol Dehydrator Reboiler #1				1	1													
EQT005	3-04B - Glycol Dehydrator Still Column Vent #1																		
EQT007	4-04 - Condensate Storage Tank																		
EQT009	5-04 - Condensate Storage Tank																		
EQT010	5-05 - Condensate Storage Tank																		
EQT011	6-04 - Tank Truck Loading																		
EQT012	6-05A - Glycol Dehydrator Reboiler #2					1	1												
EQT013	6-05B - Glycol Dehydrator Still Column Vent #2																	1	
EQT015	2-06 - Caterpillar G3516TALE Compressor Engine w/ ox cat		1	1	1	3													
EQT016	3-06 - Caterpillar G3516TALE Compressor Engine w/ ox cat		1	1	1	3													
EQT017	4-06 - Caterpillar G3516TALE Compressor Engine w/ ox cat		1	1	1	3													
EQT018	5-06 - Caterpillar G3516TALE Compressor Engine w/ ox cat		1	1	1	3													
EQT019	6-06 - Caterpillar G3516TALE Compressor Engine w/ ox. cat.		1	1	1	3													
EQT021	8-06A - Glycol Dehydrator Reboiler #3		1	1															
EQT022	8-06B - Glycol Dehydrator Still Column Vent #3																1		
EQT023	9-06 - Caterpillar G3516TALE Compressor Engine w/ ox. Cat.		1	1	1	3													
EQT025	1-07 - Waukesha L7042GSI Compressor Engine (w/NSCR)		1	1	1	3													
EQT026	1-08 - Caterpillar G3516TALE Compressor Engine w/ ox cat		1	1	1	3													

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III															
		5▲	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2122	22	29*	51*	56
EQT027	2-08 - Caterpillar G3516TALE Compressor Engine w/ ox cat	1	1	1	3												
EQT028	3-08 - Caterpillar G3516TALE Compressor Engine w/ ox cat	1	1	1	3												
EQT029	5-08 - Condensate Storage Tank				1												
EQT030	4-08A - Glycol Dehydrator Reboiler #4			1	1												
EQT031	4-08B - Glycol Dehydrator Still Column Vent #4																
EQT032	7-05 - Waukesha L7042GSI Compressor Engine (w/NSCR)	1	1	1													
EQT033	1-04 - Waukesha L7042GSI Compressor Engine (w/NSCR)	1	1	1													
EQT034	2-07 - Methanol Storage Tank				1												
EQT035	3-07 - Methanol Storage Tank				1												
EQT036	4-07 - Condensate Storage Tank					1											
EQT037	10-06 - Caterpillar G3516TALE Compressor Engine w/ ox Cat.	1	1	1	3												
FUG001	7-04 - Fugitive Emissions																

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.S01.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.S01.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
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- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60				40 CFR 61				40 CFR 63				40 CFR Part 72				
		A	D	Db	Dc	K	Ka	Kb	KKK	LLL	A	M	V	FF	A	T	HH	ZZZZ
UNF001	Goat Hill Compressor Station																	
EQT004	3-04A - Glycol Dehydrator Reboiler #1																	
EQT005	3-04B - Glycol Dehydrator Still Column Vent #1																	2
EQT007	4-04 - Condensate Storage Tank																	
EQT009	5-04 - Condensate Storage Tank																	
EQT010	5-05 - Condensate Storage Tank																	
EQT011	6-04 - Tank Truck Loading																	
EQT012	6-05A - Glycol Dehydrator Reboiler #2																	
EQT013	6-05B - Glycol Dehydrator Still Column Vent #2																	2
EQT015	2-06 - Caterpillar G3516TATE Compressor Engine w/ ox cat																	3
EQT016	3-06 - Caterpillar G3516TATE Compressor Engine w/ ox cat																	3
EQT017	4-06 - Caterpillar G3516TATE Compressor Engine w/ ox cat																	3
EQT018	5-06 - Caterpillar G3516TATE Compressor Engine w/ ox cat																	3
EQT019	6-06 - Caterpillar G3516TATE Compressor Engine w/ ox. cat.																	3
EQT021	8-06A - Glycol Dehydrator Reboiler #3																	
EQT022	8-06B - Glycol Dehydrator Still Column Vent #3																	2
EQT023	9-06 - Caterpillar G3516TATE Compressor Engine w/ ox. Cat.																	1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
 Agency Interest No.: 121323
 CenterPoint Energy Field Services Inc
 Haughton Bossier Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60						40 CFR 61						40 CFR 63						40 CFR Part						
		A	D	Db	Dc	K	Ka	Kb	JJJ	KKK	L1L	A	M	V	FF	A	T	HH	ZZZZ	64	68	72				
EQT025	1-07 – Waukesha L7042GSI Compressor Engine (w/NSCR)																						1	1		
EQT026	1-08 – Caterpillar G3516TALE Compressor Engine w/ ox cat																						1	3		
EQT027	2-08 – Caterpillar G3516TALE Compressor Engine w/ ox cat																						1	3		
EQT028	3-08 – Caterpillar G3516TALE Compressor Engine w/ ox cat																						1			
EQT029	5-08- Condensate Storage Tank																						1	3		
EQT030	4-08A – Glycol Dehydrator Reboiler #4																									
EQT031	4-08B – Glycol Dehydrator Still Column Vent #4																						2			
EQT032	7-05 – Waukesha L7042GSI Compressor Engine (w/NSCR)																						1	1		
EQT033	1-04 – Waukesha L7042GSI Compressor Engine (w/NSCR)																						1	1		
EQT034	2-07 – Methanol Storage Tank																									
EQT035	3-07 – Methanol Storage Tank																									
EQT036	4-07 – Condensate Storage Tank																									
EQT037	10-06 – Caterpillar G3516TALE Compressor Engine w/ ox. Cat.																						1	3		
FUG001	7-04 – Fugitive Emissions																									

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
Agency Interest No.: 121323
CenterPoint Energy Field Services Inc
Haughton Bossier Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
 Agency Interest No.: 121323
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Haughton Bossier Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Note
UNF001 (Entire Facility)	Chemical Accident Prevention and Minimization of Consequences [LAC 33:III.Chapter 59] Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions [40 CFR 60, Subpart LLL]	DOES NOT APPLY. Facility does not store or process any referenced list substance greater than the threshold amounts.
EQT005, EQT013, EQT022, EQT032 (Glycol Dehydration Units)	NESHAP for Oil and Natural Gas Production Facilities [40 CFR 63.760]	DOES NOT APPLY. Facility is not an onshore natural gas processing facility.
EQT015 thru EQT019, EQT023, EQT026, EQT027, EQT028, EQT037 (Compressor Engines)	Emission Standards for Particulate Matter [LAC 33:III.1313] Control of Emissions of Organic Compounds from Pumps and Compressors [LAC 33:III.2111]	EXEMPT. Actual average benzene emissions from each glycol dehydration unit are less than 0.9 Mg/year.
EQT030	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1502]	DOES NOT APPLY. These engines do not produce steam, hot water, hot air, or other indirect heating of liquids or solids.
EQT031	Control of Emissions of Organic Compounds from Pumps and Compressors [LAC 33:III.2111]	DOES NOT APPLY. These compressors do not contact VOC with a vapor pressure \geq 1.5 psia. Natural gas is primarily methane/ethane, which is not included in the definition of VOC.
EQT032	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1502]	DOES NOT APPLY. The facility does not have any point sources that emit or have the potential to emit 5 tpy or more of sulfur dioxide emissions.
EQT033	Standards of Performance for Stationary Gas Turbines [40 FCR 60, Subpart GG]	DOES NOT APPLY. These compressor engines are gas-fired reciprocating engines and not gas turbines.
EQT034	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions [40 CFR 60, Subpart LLL]	DOES NOT APPLY. These sources are not sweetening units and the facility is not a natural gas processing facility.
EQT035	Compliance Assurance Monitoring [40 CFR 64]	DOES NOT APPLY. No add-on control device is used to achieve compliance of emission standards.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Note
EQT025, EQT032, EQT033 (Compressor Engines)	Emission Standards for Particulate Matter [LAC 33:III.1313] Control of Emissions of Organic Compounds from Pumps and Compressors [LAC 33:III.2111]	DOES NOT APPLY. These engines do not produce steam, hot water, hot air, or other indirect heating of liquids or solids. DOES NOT APPLY. These compressors do not contact VOC with a vapor pressure ≥ 1.5 psia. Natural gas is primarily methane/ethane, which is not included in the definition of VOC.
	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1502]	DOES NOT APPLY. The facility does not have any point sources that emit or have the potential to emit 5 tpy or more of sulfur dioxide emissions.
	Standards of Performance for Stationary Gas Turbines [40 FCR 60, Subpart GG]	DOES NOT APPLY. These compressor engines are gas-fired reciprocating engines and not gas turbines.
	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions [40 CFR 60, Subpart LLL]	DOES NOT APPLY. These sources are not sweetening units and the facility is not a natural gas processing facility.
EQT007, EQT009, EQT010, EQT029 (Condensate Storage Tanks)	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60, Subpart Kb]	DOES NOT APPLY. Storage Capacity less than 19,815 gallons.
EQT011 (Tank Truck Loading)	Volatile Organic Compounds – Loading [LAC 33:III.2107]	DOES NOT APPLY. The throughput of this facility does not exceed 20,000 gallons per day.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Goat Hill Compressor Station
Agency Interest No.: 121323
CenterPoint Energy Field Services Inc
Haughton Bossier Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Note
FUG001 (Fugitives)	Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants [40 CFR 60, Subpart KKK]	DOES NOT APPLY. Facility does not meet the definition of a natural gas processing plant.
	Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes [LAC 33:III.2122]	DOES NOT APPLY. Facility does not meet the definition of a natural gas processing plant.

The above table provides explanation for both the exemption status and non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

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2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

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4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33.III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 27, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

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- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

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assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 121323 Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	0400-00131	Goat Hill Compressor Station	CDS Number	04-07-2004
		Goat Hill Compressor Station	Multimedia	04-07-2004
		CenterPoint Energy Field Services Inc	Multimedia	04-07-2004
Physical Location:		7 Mi S of I-20 on Goat Hill Rd Haughton, LA 71037	Main Phone:	3184292831
Mailing Address:		PO Box 21734 Shreveport, LA 711510001		
Location of Front Gate:		32° 26' 36" 20 hundredths latitude, 93° 31' 23" 48 hundredths longitude, Coordinate Method: Lat/long. - DMS, Coordinate Datum: NAD83		
Related People:				
Name	Mailing Address	Phone (Type)	Relationship	
Laurie Guthrie	PO Box 21734 Shreveport, LA 711511734	laura.guthrie@cent	Emission Inventory Contact for	
Laurie Guthrie	PO Box 21734 Shreveport, LA 711511734	3184293706 (WP)	Emission Inventory Contact for	
Laurie Guthrie	PO Box 21734 Shreveport, LA 711511734	3184293927 (WF)	Emission Inventory Contact for	
Peter Kirsch	1111 Louisiana Ave 11th Floor Houston, TX 77002	7132078346 (WP)	Responsible Official for	
Peter Kirsch	1111 Louisiana Ave 11th Floor Houston, TX 77002	Pete.Kirsch@cent	Responsible Official for	
Gordon Moore	2001 E 70th St Ste 503 Shreveport, LA 71105	3187378636 (WP)	Air Permit Contact For	
Related Organizations:				
Name	Address	Phone (Type)	Relationship	
C-K Associates LLC	2001 E 70th St Ste 503 Shreveport, LA 71105	3187378636 (WP)	Provides environmental services for	
C-K Associates LLC	2001 E 70th St Ste 503 Shreveport, LA 71105	3187380478 (WF)	Provides environmental services for	
CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734		Air Billing Party for	
CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734		Owes	
CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734		Emission Inventory Billing Party	
CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734		Operates	
NAIC Codes:	211111. Crude Petroleum and Natural Gas Extraction			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Goat Hill Compressor Station						
EQT 0004	3-04A - Glycol Dehydrator Reboiler #1			1.5 MM BTU/hr		8760 hr/yr
EQT 0005	3-04B - Glycol Dehydrator Still Column Vent#1			50 MM ft^3/day		8760 hr/yr
EQT 0007	4-04 - Condensate Storage Tank	8820 gallons			condensate	8760 hr/yr
EQT 0009	5-04 - Condensate Storage Tank	8820 gallons			condensate	8760 hr/yr
EQT 0010	5-05 - Condensate Storage Tank	8820 gallons			condensate	8760 hr/yr
EQT 0011	6-04 - Tank Truck Loading			150 bbl/day		137 hr/yr
EQT 0012	6-05A - Glycol Dehydrator Reboiler #2			2 MM BTU/hr		8760 hr/yr
EQT 0013	6-05B - Glycol Dehydrator Still Column Vent #2			65 MM ft^3/day		8760 hr/yr
EQT 0015	2-06 - Caterpillar G3516 Compressor Engine (w/o/oxidation catalyst)			1340 horsepower		8760 hr/yr
EQT 0016	3-06 - Caterpillar G3516 Compressor Engine (w/o/oxidation catalyst)			1340 horsepower		8760 hr/yr
EQT 0017	4-06 - Caterpillar G3516 Compressor Engine (w/o/oxidation catalyst)			1340 horsepower		8760 hr/yr
EQT 0018	5-06 - Caterpillar G3516 Compressor Engine (w/o/oxidation catalyst)			1340 horsepower		8760 hr/yr
EQT 0019	6-06 - Caterpillar G3516 Compressor Engine (w/o/oxidation catalyst)			1340 horsepower		8760 hr/yr
EQT 0021	8-06A - Glycol Dehydrator Reboiler #3			2 MM BTU/hr		8760 hr/yr
EQT 0022	8-06B - Glycol Dehydrator Still Column Vent #3			80 MM ft^3/day		8760 hr/yr
EQT 0023	9-06 - Caterpillar G3516 Compressor Engine (w/o. cat.)			1340 horsepower		8760 hr/yr
EQT 0025	1-07 - Waukesha L7042GSi Compressor Engine (w/NSCR)			1478 horsepower		8760 hr/yr
EQT 0026	1-08 - Caterpillar G3516TAE Compressor Engine (w/o. cat.)			1340 horsepower		8760 hr/yr
EQT 0027	2-08 - Caterpillar G3516TAE Compressor Engine (w/o. cat.)			1340 horsepower		8760 hr/yr
EQT 0028	3-08 - Caterpillar G3516TAE Compressor Engine (w/o. cat.)			1340 horsepower		8760 hr/yr
EQT 0029	5-08 - Condensate Storage Tank	8820 gallons			condensate	8760 hr/yr
EQT 0030	4-08A - Glycol Dehydrator Reboiler #4			1.5 MM BTU/hr		8760 hr/yr
EQT 0031	4-08B - Glycol Dehydrator Still Column Vent #4			65 MM ft^3/day		8760 hr/yr
EQT 0032	7-05 - Waukesha L7042GSi Compressor Engine w/NSCR			1478 horsepower		8760 hr/yr
EQT 0033	1-04 - Waukesha L7042GSi Compressor Engine w/NSCR			1478 horsepower		8760 hr/yr
EQT 0034	2-07 - Methanol Storage Tank	300 gallons			methanol	8760 hr/yr
EQT 0035	3-07 - Methanol Storage Tank	300 gallons			methanol	8760 hr/yr
EQT 0036	4-07 - Condensate Tank	8820 gallons			condensate	8760 hr/yr
EQT 0037	10-06 - Caterpillar G3516 Compressor Engine (w/o. cat.)			1340 horsepower		8760 hr/yr
FUG 0001	7-04 - Fugitive Emissions					8760 hr/yr

INVENTORIES

AJ ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Goat Hill Compressor Station							
EQT 0004 3-04A - Glycol Dehydrator Reboiler #1	6	2.3	.7			16	600
EQT 0004 3-04A - Glycol Dehydrator Reboiler #1	6	138	.7			16	600
EQT 0005 3-04B - Glycol Dehydrator Still Column Vent#1	6	2.3	.7			16	600
EQT 0005 3-04B - Glycol Dehydrator Still Column Vent#1			.7			16	
EQT 0007 4-04 - Condensate Storage Tank	1	1	.3			20	70
EQT 0007 4-04 - Condensate Storage Tank			.3			20	
EQT 0009 5-04 - Condensate Storage Tank	1	1	.3			20	70
EQT 0009 5-04 - Condensate Storage Tank			.3			20	
EQT 0010 5-05 - Condensate Storage Tank	1	1	.3			20	70
EQT 0010 5-05 - Condensate Storage Tank			.3			20	
EQT 0011 6-04 - Tank Truck Loading							
EQT 0012 6-05A - Glycol Dehydrator Reboiler #2	6	2.3	.7			16	600
EQT 0012 6-05A - Glycol Dehydrator Reboiler #2	6	138	.7			16	600
EQT 0013 6-05B - Glycol Dehydrator Still Column Vent #2	6	2.3	.7			16	600
EQT 0013 6-05B - Glycol Dehydrator Still Column Vent #2			.7			16	
EQT 0015 2-06 - Caterpillar G3516 Compressor Engine (w/oxidation catalyst)	225.67	7684	.85			22	855
EQT 0016 3-06 - Caterpillar G3516 Compressor Engine (w/oxidation catalyst)	225.67	7684	.85			22	855
EQT 0017 4-06 - Caterpillar G3516 Compressor Engine (w/oxidation catalyst)	225.67	7684	.85			22	855
EQT 0018 5-06 - Caterpillar G3516 Compressor Engine (w/oxidation catalyst)	225.67	7684	.85			22	855
EQT 0019 6-06 - Caterpillar G3516 Compressor Engine (w/oxidation catalyst)	225.67	7684	.85			22	855
EQT 0021 8-06A - Glycol Dehydrator Reboiler #3	6	138	.7			16	600
EQT 0022 8-06B - Glycol Dehydrator Still Column Vent #3	6	138	.7			16	600
EQT 0023 9-06 - Caterpillar G3516 Compressor Engine (w/ox. cat.)	225.67	7684	.85			22	855
EQT 0025 1-07 - Waukesha L7042GSI Compressor Engine (w/NSCR)	147.82	6966	1			17.67	1125
EQT 0026 1-08 - Caterpillar G3516TATE Compressor Engine (w/ox. cat.)	162.44	7651	1			25	854
EQT 0027 2-08 - Caterpillar G3516TATE Compressor Engine (w/ox. cat.)	162.44	7651	1			25	854
EQT 0028 3-08 - Caterpillar G3516TATE Compressor Engine (w/ox. cat.)	162.44	7651	1			25	854
EQT 0029 5-08 - Condensate Storage Tank			.35			20	70
EQT 0030 4-08A - Glycol Dehydrator Reboiler #4	6	138	.7			16	600
EQT 0031 4-08B - Glycol Dehydrator Still Column Vent #4			.7			16	
EQT 0032 7-05 - Waukesha L7042GSI Compressor Engine wNSCR	107.99	6966	1.17			19.17	1125
EQT 0033 1-04 - Waukesha L7042GSI Compressor Engine wNSCR	107.99	6966	1.17			19.17	1125

INVENTORIES

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Goat Hill Compressor Station							
EQT 0034	2-07 - Methanol Storage Tank	.35		.35		10	
EQT 0035	3-07 - Methanol Storage Tank			.35		10	
EQT 0036	4-07 - Condensate Tank			.35		20	
EQT 0037	10-06 - Caterpillar G3516 Compressor Engine (w/ox. cat.)	225.67	7684	.85		22	855
FUG 0001	7-04 - Fugitive Emissions						

Relationships:

ID	Description	Relationship	ID	Description
EQT 0004	3-04A - Glycol Dehydrator Reboiler #1	Controls emissions from	EQT 0005	3-04B - Glycol Dehydrator Still Column Vent#1
EQT 0005	3-04B - Glycol Dehydrator Still Column Vent#1	Controlled by	EQT 0004	3-04A - Glycol Dehydrator Reboiler #1
EQT 0012	6-05A - Glycol Dehydrator Reboiler #2	Controls emissions from	EQT 0013	6-05B - Glycol Dehydrator Still Column Vent #2
EQT 0013	6-05B - Glycol Dehydrator Still Column Vent #2	Controlled by	EQT 0012	6-05A - Glycol Dehydrator Reboiler #2
EQT 0021	8-06A - Glycol Dehydrator Reboiler #3	Controls emissions from	EQT 0022	8-06B - Glycol Dehydrator Still Column Vent #3
EQT 0022	8-06B - Glycol Dehydrator Still Column Vent #3	Controlled by	EQT 0021	8-06A - Glycol Dehydrator Reboiler #3
EQT 0030	4-08A - Glycol Dehydrator Reboiler #4	Controls emissions from	EQT 0031	4-08B - Glycol Dehydrator Still Column Vent #4
EQT 0031	4-08B - Glycol Dehydrator Still Column Vent #4	Controlled by	EQT 0030	4-08A - Glycol Dehydrator Reboiler #4

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	CRG1 - Glycol Reboilers
CRG 0002	Common Requirements Group	CRG2 - Condensate Storage Tanks
CRG 0003	Common Requirements Group	CRG3 - Caterpillar Compressor Engines (w/ ox cat)
CRG 0004	Common Requirements Group	CRG4 - Waukesha Engines (w/ NSCR)
CRG 0005	Common Requirements Group	CRG5 - Glycol Dehydrator Still Column Vents
CRG 0006	Common Requirements Group	CRG6 - Methanol Tanks
UNF 0001	Unit or Facility Wide	Entire Facility - Goat Hill Compressor Station

Group Membership:

ID	Description	Member of Groups
EQT 0004	3-04A - Glycol Dehydrator Reboiler #1	CRG0000000001
EQT 0005	3-04B - Glycol Dehydrator Still Column Vent#1	CRG0000000005
EQT 0007	4-04 - Condensate Storage Tank	CRG0000000002
EQT 0009	5-04 - Condensate Storage Tank	CRG0000000002
EQT 0010	5-05 - Condensate Storage Tank	CRG0000000002
EQT 0012	6-05A - Glycol Dehydrator Reboiler #2	CRG0000000001

INVENTORIES

AJ ID: 1211323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT 0013	6-05B - Glycol Dehydrator Still Column Vent #2	CRG0000000005
EQT 0015	2-06 - Caterpillar G3516 Compressor Engine (w/oxidation cataly'st)	CRG0000000003
EQT 0016	3-06 - Caterpillar G3516 Compressor Engine (w/oxidation cataly'st)	CRG0000000003
EQT 0017	4-06 - Caterpillar G3516 Compressor Engine (w/oxidation cataly'st)	CRG0000000003
EQT 0018	5-06 - Caterpillar G3516 Compressor Engine (w/oxidation cataly'st)	CRG0000000003
EQT 0019	6-06 - Caterpillar G3516 Compressor Engine (w/oxidation cataly'st)	CRG0000000003
EQT 0021	B-06A - Glycol Dehydrator Reboiler #3	CRG0000000001
EQT 0022	B-06B - Glycol Dehydrator Still Column Vent #3	CRG0000000005
EQT 0025	1-07 - Waukesha L7042GSI Compressor Engine (w/NSCR)	CRG0000000004
EQT 0026	1-08 - Caterpillar G3516TALE Compressor Engine (w/ox. cat.)	CRG0000000003
EQT 0027	2-08 - Caterpillar G3516TALE Compressor Engine (w/ox. cat.)	CRG0000000003
EQT 0029	5-08 - Condensate Storage Tank	CRG0000000002
EQT 0030	4-08A - Glycol Dehydrator Reboiler #4	CRG0000000001
EQT 0031	4-08B - Glycol Dehydrator Still Column Vent #4	CRG0000000005
EQT 0032	7-05 - Waukesha L7042GSI Compressor Engine w/NSCR	CRG0000000004
EQT 0033	1-04 - Waukesha L7042GSI Compressor Engine w/NSCR	CRG0000000004
EQT 0034	2-07 - Methanol Storage Tank	CRG0000000006
EQT 0035	3-07 - Methanol Storage Tank	CRG0000000006
EQT 0036	4-07 - Condensate Tank	CRG0000000002
EQT 0037	10-06 - Caterpillar G3516 Compressor Engine (w/ox. cat.)	CRG0000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1460	1460 Recip Nat Gas Comp (5,000 to 20,000 H.P.)	123.36	100 hp

SIC Codes:

1311	Crude petroleum and natural gas	AJ 121323
4932	Natural gas transmission	AJ 121323

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Goat Hill Compressor Station															
EQT 0004 3-04A	0.13	0.13	0.55	0.15	0.15	0.66	0.01	0.01	0.05	<0.001	0.004	0.50	0.50	0.50	2.15
EQT 0007 4-04														1.42	1.42
EQT 0009 5-04														1.42	1.42
EQT 0010 5-05														1.42	1.42
EQT 0011 6-04														73.51	73.51
EQT 0012 6-05A	0.17	0.17	0.74	0.20	0.20	0.88	0.02	0.02	0.07	0.001	0.001	0.01	0.01	0.53	2.33
EQT 0015 2-06	0.53	0.64	2.33	5.31	6.38	23.27	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0016 3-06	0.53	0.64	2.33	5.31	6.38	23.27	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0017 4-06	0.53	0.64	2.33	5.31	6.38	23.27	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0018 5-06	0.53	0.64	2.33	5.31	6.38	23.27	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0019 6-06	0.53	0.64	2.33	5.31	6.38	23.27	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0021 8-06A	0.17	0.17	0.74	0.20	0.20	0.88	0.02	0.02	0.07	0.001	0.001	0.01	0.01	0.62	2.71
EQT 0023 9-06	0.53	0.64	2.33	4.43	5.31	19.39	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0025 1-07	10.16	10.16	44.49	8.60	8.60	37.64	0.11	0.14	0.50	0.01	0.01	0.03	0.61	0.61	2.67
EQT 0026 1-08	1.11	1.33	4.85	5.31	6.38	23.27	0.10	0.12	0.43	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0027 2-08	1.11	1.33	4.85	5.31	6.38	23.27	0.10	0.12	0.43	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0028 3-08	1.11	1.33	4.85	5.31	6.38	23.27	0.10	0.12	0.43	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0029 5-08														1.53	1.53
EQT 0030 4-08A	0.12	0.12	0.54	0.15	0.15	0.64	0.01	0.01	0.05	<0.001	<0.001	<0.01	0.94	0.94	4.10
EQT 0032 7-05	7.81	7.81	34.22	7.81	7.81	34.22	0.11	0.14	0.50	0.01	0.01	0.03	3.91	3.91	17.11
EQT 0033 1-04	6.51	6.51	28.52	6.51	6.51	28.52	0.11	0.14	0.50	0.01	0.01	0.03	0.98	0.98	4.28
EQT 0034 2-07													0.01	0.01	0.02
EQT 0035 3-07													0.01	0.01	0.02

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Goat Hill Compressor Station															
EQT 0036 437	0.53	0.64	2.33	4.43	5.31	19.39	0.10	0.12	0.45	0.01	0.01	0.03	0.38	0.46	1.68
EQT 0037 10-06															
FUG 0001 7-04															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station

Activity Number: PER20080003

Permit Number: 0400-00131-V5

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 3-04A	Benzene	0.045	0.045	0.20
	Toluene	0.02	0.02	0.08
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.01	0.01	0.06
EQT 0007 4-04	Benzene	0.003	0.003	0.01
	Ethyl benzene	0.001	0.001	<0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.05	0.05	0.24
EQT 0009 5-04	Benzene	0.003	0.003	0.01
	Ethyl benzene	0.001	0.001	<0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.05	0.05	0.24
EQT 0010 5-05	Benzene	0.003	0.003	0.01
	Ethyl benzene	0.001	0.001	<0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.05	0.05	0.24
EQT 0011 6-04	Benzene	0.004	0.14	0.02
	Ethyl benzene	0.001	0.02	<0.01
	Toluene	0.005	0.16	0.02
	Xylene (mixed isomers)	0.003	0.09	0.01
	n-Hexane	0.07	2.09	0.30
EQT 0012 6-05A	Benzene	0.05	0.05	0.22
	Toluene	0.03	0.03	0.11
	Xylene (mixed isomers)	0.005	0.005	0.02
	n-Hexane	0.02	0.02	0.07
EQT 0015 2-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.25
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station

Activity Number: PER20080003

Permit Number: 0400-00131-V5

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0015 2-06	Toluene	0.004	0.005	0.02
EOT 0016 3-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0017 4-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0018 5-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0019 6-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0021 8-06A	Benzene	0.09	0.09	0.38
	Toluene	0.04	0.04	0.16
	Xylene (mixed isomers)	0.006	0.006	0.03
	n-Hexane	0.02	0.02	0.08
EQT 0023 9-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station

Activity Number: PER20080003

Permit Number: 0400-00131-V5

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0023 9-06	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0025 1-07	Acetaldehyde	0.03	0.04	0.14
	Acrolein	0.03	0.04	0.13
	Benzene	0.02	0.02	0.08
	Formaldehyde	0.16	0.16	0.71
	Methanol	0.04	0.04	0.15
	Toluene	0.01	0.01	0.03
EQT 0026 1-08	Acetaldehyde	0.08	0.10	0.36
	Acrolein	0.05	0.06	0.22
	Benzene	0.004	0.005	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0027 2-08	Acetaldehyde	0.08	0.10	0.36
	Acrolein	0.05	0.06	0.22
	Benzene	0.004	0.005	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0028 3-08	Acetaldehyde	0.08	0.10	0.36
	Acrolein	0.05	0.06	0.22
	Benzene	0.004	0.005	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
EQT 0029 5-08	Benzene	0.004	0.004	0.02
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.06	0.06	0.25
EQT 0030 4-08A	Benzene	0.09	0.09	0.39
	Toluene	0.04	0.04	0.16

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station

Activity Number: PER20080003

Permit Number: 0400-00131-V5

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0030 4-08A	Xylene (mixed isomers)	0.01	0.01	0.02
	n-Hexane	0.03	0.03	0.12
EQT 0032 7-05	Acetaldehyde	0.03	0.04	0.14
	Acrolein	0.03	0.04	0.13
	Benzene	0.02	0.02	0.08
	Formaldehyde	0.16	0.16	0.71
	Methanol	0.04	0.04	0.15
	Toluene	0.01	0.01	0.03
EQT 0033 1-04	Acetaldehyde	0.03	0.04	0.14
	Acrolein	0.03	0.04	0.13
	Benzene	0.02	0.02	0.08
	Formaldehyde	0.16	0.16	0.71
	Methanol	0.04	0.04	0.15
	Toluene	0.01	0.01	0.03
EQT 0034 2-07	Methanol	0.01	0.01	0.02
EQT 0035 3-07	Methanol	0.01	0.01	0.02
EQT 0036 4-07	Benzene	0.003	0.003	0.01
	Ethyl benzene	0.001	0.001	<0.01
	Toluene	0.004	0.004	0.02
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.05	0.05	0.24
EQT 0037 10-06	Acetaldehyde	0.09	0.11	0.38
	Acrolein	0.05	0.06	0.24
	Benzene	0.005	0.01	0.02
	Formaldehyde	0.24	0.28	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.005	0.02
FUG 0001 7-04	Benzene	0.01	0.01	0.04
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.007	0.007	0.03
	Xylene (mixed isomers)	0.002	0.002	0.01
	n-Hexane	0.02	0.02	0.11
UNF 0001 Entire Facility	Acetaldehyde			4.16

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	Acrolein			2.74
	Benzene			1.75
	Ethyl benzene			0.07
	Formaldehyde			12.43
	Methanol			1.59
	Toluene			0.95
	Xylene (mixed isomers)			0.15
	n-Hexane			1.95

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

EQT 0023 9-06 - Caterpillar G3516 Compressor Engine (w/ox. cat.)

- 1 [40 CFR 60.4233.c] Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr; 160 ppmvd at 15% O₂). Subpart JJJJ. [40 CFR 60.4233(e)] Which Months: All Year Statistical Basis: None specified
- 2 [40 CFR 60.4233.e] Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr; 540 ppmvd at 15% O₂). Subpart JJJJ. [40 CFR 60.4233(e)] Which Months: All Year Statistical Basis: None specified
- 3 [40 CFR 60.4233.c] (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr (0.0022 lb/HP-hr; 86 ppmvd at 15% O₂). Subpart JJJJ. [40 CFR 60.4233(e)] Which Months: All Year Statistical Basis: None specified
- 4 [40 CFR 60.4234] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. Subpart JJJJ
- 5 [40 CFR 60.4243.b.2] Conduct an initial performance test. Conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, if the engine is greater than 500 HP. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 6 [40 CFR 60.4243.b.2] Ensure that the engine is maintained and operated to the extent practicable in a manner consistent with good air pollution control practice for minimizing emissions. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 7 [40 CFR 60.4243.b.2] Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d), or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 8 [40 CFR 60.4243.b.2] Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJJ. [40 CFR 60.4243(c)]
- 9 [40 CFR 60.4244] Conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJJ.
- 10 [40 CFR 60.4245.a] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJJ. [40 CFR 60.4245(a)]
- 11 [40 CFR 60.4245.c] Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4245(c)(1) through (c)(5). Subpart JJJJ. [40 CFR 60.4245(c)]
- 12 [40 CFR 60.4245.d] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJJ. [40 CFR 60.4245(d)]
- 13 [40 CFR 63.6595.b.2] Must demonstrate compliance with 40 CFR 63 Subpart ZZZZ within 3 years after this facility becomes a major source of HAP. [40 CFR 63.6595(b)(2)] Formaldehyde <= 14 ppmvd at 15% oxygen. Subpart ZZZZ. [40 CFR 63.6600(b)]
- 14 [40 CFR 63.6600.b] Which Months: All Year Statistical Basis: None specified
- 15 [40 CFR 63.6605.a] Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction. Subpart ZZZZ. [40 CFR 63.6605(a)]
- 16 [40 CFR 63.6605.b] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]
- 17 [40 CFR 63.6615] Conduct subsequent performance tests semiannually. Subpart ZZZZ.
- 18 [40 CFR 63.6620.a] Conduct each applicable performance test in 40 CFR 63 Subpart ZZZZ. Tables 3 and 4. Subpart ZZZZ. [40 CFR 63.6620(a)]
- 19 [40 CFR 63.6620.b] Conduct each performance test according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions in 40 CFR 63 Subpart ZZZZ. Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

EQT 0023 9-06 - Caterpillar G3516 Compressor Engine (w/ox. cat.)

- 20 [40 CFR 63.6620.e] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620. Subpart ZZZZ. [40 CFR 63.6620(e)]
 Include a written report of the average percent load determination in the notification of compliance status. Include the following information:
 the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, provide the model number of the measurement device, and an estimate of its accurate in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 21 [40 CFR 63.6620.i] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 22 [40 CFR 63.6630.a] Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ Table 5. Subpart ZZZZ. [40 CFR 63.6630(a)]
- 23 [40 CFR 63.6640.a] Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b and Tables 2a and 2b according to methods specified in 40 CFR 63 Subpart ZZZZ Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]
- 24 [40 CFR 63.6640.a] Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 25 [40 CFR 63.6640.b] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.
- 26 [40 CFR 63.6655] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 27 [LAC 33:III.1101.B] Which Months: All Year Statistical Basis: None specified
- EQT 0028 3-08 - Caterpillar G3516 TALE Compressor Engine (w/ox. cat.)**
- 28 [40 CFR 60.4233.e] (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr (0.0022 lb/HP-hr; 86 ppmvd at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]
 Which Months: All Year Statistical Basis: None specified
- 29 [40 CFR 60.4233.e] Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr; 160 ppmvd at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]
 Which Months: All Year Statistical Basis: None specified
- 30 [40 CFR 60.4233.e] Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr; 540 ppmvd at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]
 Which Months: All Year Statistical Basis: None specified
- 31 [40 CFR 60.4234] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. Subpart JJJJ.
- 32 [40 CFR 60.4243.b.2] Ensure that the engine is maintained and operated to the extent practicable in a manner consistent with good air pollution control practice for minimizing emissions. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 33 [40 CFR 60.4243.b.2] Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJJ. [40 CFR 60.4243(b)(2)]

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

EQT 0028 3-08 - Caterpillar G3516TALE Compressor Engine (w/ox. cat.)

- 34 [40 CFR 60.4243.b.2] Conduct an initial performance test. Conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, if the engine is greater than 500 HP. Subpart JJJ. [40 CFR 60.4243(b)(2)]
- 35 [40 CFR 60.4243.c] Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4235. Subpart JJJJ. [40 CFR 60.4243(e)]
- 36 [40 CFR 60.4244] Conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.
- 37 [40 CFR 60.4245.a] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]
- 38 [40 CFR 60.4245.c] Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4245(c)(1) through (c)(5). Subpart JJJ.
- 39 [40 CFR 60.4245.c] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed Subpart JJJ.
- 40 [40 CFR 60.4245(d)] [40 CFR 63.6595(b)] Must demonstrate compliance with 40 CFR 63 Subpart ZZZZ upon start-up of this source. [40 CFR 63.6595(b)(1)]
- 41 [40 CFR 63.6600.b] Formaldehyde <= 14 ppmdry at 15% oxygen. Subpart ZZZZ. [40 CFR 63.6600(b)]
- 42 [40 CFR 63.6605.a] Which Months: All Year Statistical Basis: None specified
- 43 [40 CFR 63.6605.b] Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction. Subpart ZZZZ. [40 CFR 63.6605(a)]
- 44 [40 CFR 63.6615] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]
- 45 [40 CFR 63.6620.a] Conduct subsequent performance tests semiannually. Subpart ZZZZ.
- 46 [40 CFR 63.6620.b] Conduct each applicable performance test in 40 CFR 63 Subpart ZZZZ. Tables 3 and 4. Subpart ZZZZ. [40 CFR 63.6620(a)]
- 47 [40 CFR 63.6620.e] Conduct each performance test according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions in 40 CFR 63 Subpart ZZZZ. Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
- 48 [40 CFR 63.6620.i] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620. Subpart ZZZZ. [40 CFR 63.6620(e)]
- 49 [40 CFR 63.6670.i] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 50 [40 CFR 63.6630.a] Include a written report of the average percent load determination in the notification of compliance status. Include the following information: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc are used, provide the model number of the measurement device, and an estimate of its accuracy in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 51 [40 CFR 63.6640.a] Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ Table 5. Subpart ZZZZ. [40 CFR 63.6630(a)]
- Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b and Tables 2a and 2b according to methods specified in 40 CFR 63 Subpart ZZZZ Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER2008003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

EQT 8928 3-08 - Caterpillar G3516TAE Compressor Engine (w/o x. cat.)

- | | | |
|----|--------------------|--|
| 52 | [40 CFR 63.6640.b] | <p>Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]</p> <p>Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.</p> |
| 53 | [40 CFR 63.6655] | <p>Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).</p> <p>Which Months: All Year Statistical Basis: None specified</p> |
| 54 | [LAC 33.II.1101.B] | <p>Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).</p> |
| 55 | [LAC 33.II.1311.C] | |

CBC 0001 CBC1 - Glycol Behoilers

Grumman: EOT 00001 EOT 00012 EOT 00031 EOT 00030

- 56 [LAC 33:11.1101.B]

CRG 0002 CRG2 - Condensate Storage Tanks

Group Members: EOT 0007 EOT 0008 EOT 0029 EOT 0036

- 58 [LAC 33:III.2103.A]
 59 [LAC 33:III.2103.H.3]
 60 [LAC 33:III.2103.I]

CRG 0003 CRG3 - Caterpillar Compressor Engines (W/ or cat)

Group Members: EQ† 001SEQQ† 0016EQ† 0017EQ† 0018EQ† 0019EQ† 0026EQ† 0027EQ† 0037

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

CRG 0003 CRG3 - Caterpillar Compressor Engines (w/ ox cat)

- 62 [40 CFR 63.6395 b.2] EQT015 through EQT019, EQT037: Must demonstrate compliance with Subpart ZZZZ within 3 years after the area source becomes a major source of HAP. [40 CFR 63.6595(b)(2)]
- 63 [40 CFR 63.6600.b] Temperature ≥ 450 and ≤ 1350 F at catalyst inlet. Subpart ZZZZ. [40 CFR 63.6600(b)]
- 64 [40 CFR 63.6600.b] Which Months: All Year Statistical Basis: None specified
- Maintain catalyst so that the pressure drop across the catalyst does not change by more than two inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst that was measured during the initial performance test. Subpart ZZZZ. [40 CFR 63.6600(b)]
- 65 [40 CFR 63.6600.b] Formaldehyde ≤ 14 ppmvd at 15% oxygen. Subpart ZZZZ. [40 CFR 63.6600(b)]
- 66 [40 CFR 63.6605.a] Which Months: All Year Statistical Basis: None specified
- Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction Subpart ZZZZ. [40 CFR 63.6605(a)]
- 67 [40 CFR 63.6605.b] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]
- 68 [40 CFR 63.6615] Conduct subsequent performance tests semiannually. Subpart ZZZZ.
- 69 [40 CFR 63.6620.a] Conduct each applicable performance test in 40 CFR 63 Subpart ZZZZ Tables 3 and 4. Subpart ZZZZ. [40 CFR 63.6620(a)]
- 70 [40 CFR 63.6620.b] Conduct each performance test according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions in 40 CFR 63 Subpart ZZZZ Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
- 71 [40 CFR 63.6620.e] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620. Subpart ZZZZ. [40 CFR 63.6620(e)]
- 72 [40 CFR 63.6620.i] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 73 [40 CFR 63.6620.i] Include a written report of the average percent load determination in the notification of compliance status. Include the following information: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, strain gauges, etc. are used, provide the model number of the measurement device, and an estimate of its accuracy in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 74 [40 CFR 63.6630.a] Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ Table 5. Subpart ZZZZ. [40 CFR 63.6630(a)]
- 75 [40 CFR 63.6630.b] Establish each applicable operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1b and 2b during the initial performance test. Subpart ZZZZ. [40 CFR 63.6630(b)]
- 76 [40 CFR 63.6640.a] Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b and Tables 2a and 2b according to methods specified in 40 CFR 63 Subpart ZZZZ Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]
- 77 [40 CFR 63.6640.b] Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
Activity Number: PER20080003
Permit Number: 0400-00131-V5
Air - Title V Regular Permit Minor Mod

CRG 0003 CRG3 - Caterpillar Compressor Engines (w/ or cat)

- 78 [40 CFR 63.6640.b] Reestablish the values of the operating parameters measured during the initial performance test, if the catalyst is changed. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 79 [40 CFR 63.6655] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.
- 80 [LAC 33:III.1.I01.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 81 [LAC 33:III.1.I31.C] Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 82 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: Six-minute average
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NO_x in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 83 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O₂ in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 84 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60. Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 85 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 86 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

SPECIFIC REQUIREMENTS

AJ ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

CRG 0004 CRG4 - Waukesha Engines (w/ NSCR)

Group Members: EQT 0025EQT 0032EQT 0033

- 87 [40 CFR 63.6595(b.2)] Must be in compliance with the provisions of 40 CFR 63 Subpart ZZZZ within 3 years after this facility becomes a major source of HAP. [40 CFR 63.6595(b)(2)]
- 88 [40 CFR 63.6600.a] Maintain catalyst so that the pressure drop across the catalyst does not change by more than two inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the initial performance test. Subpart ZZZZ. [40 CFR 63.6600(a)]
- 89 [40 CFR 63.6600.a] Temperature >= 750 and <= 1250 F at catalyst inlet. Subpart ZZZZ. [40 CFR 63.6600(a)]
- 90 [40 CFR 63.6600.a] Which Months: All Year Statistical Basis: None specified Formaldehyde >= 76 % reduction. Subpart ZZZZ. [40 CFR 63.6600(a)]
- 91 [40 CFR 63.6605.a] Which Months: All Year Statistical Basis: None specified Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction Subpart ZZZZ. [40 CFR 63.6605(a)]
- 92 [40 CFR 63.6605.b] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]
- 93 [40 CFR 63.6615] Conduct subsequent performance tests semiannually. Subpart ZZZZ.
- 94 [40 CFR 63.6620.a] Conduct each applicable performance test in 40 CFR 63 Subpart ZZZZ. Tables 3 and 4. Subpart ZZZZ. [40 CFR 63.6620(a)]
- 95 [40 CFR 63.6620.b] Conduct each performance test according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions in 40 CFR 63 Subpart ZZZZ. Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
- 96 [40 CFR 63.6620.e] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620. Subpart ZZZZ. [40 CFR 63.6620(e)]
- 97 [40 CFR 63.6620.i] Include a written report of the average percent load determination in the notification of compliance status. Include the following information: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, strain gauges, etc. are used, provide the model number of the measurement device, and an estimate of its accurate in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 98 [40 CFR 63.6620.l] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(l)]
- 99 [40 CFR 63.6630.a] Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ Table 5 Subpart ZZZZ. [40 CFR 63.6630(a)]
- 100 [40 CFR 63.6630.b] Establish each applicable operating limitation in 40 CFR 63 Subpart ZZZZ. Tables 1b and 2b during the initial performance test. Subpart ZZZZ. [40 CFR 63.6630(b)]
- 101 [40 CFR 63.6640.a] Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ. Tables 1a and 1b and Tables 2a and 2b according to methods specified in 40 CFR 63 Subpart ZZZZ Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]
- 102 [40 CFR 63.6640.b] Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]

SPECIFIC REQUIREMENTS

AI ID: 121323 - Goat Hill Compressor Station
 Activity Number: PER20080003
 Permit Number: 0400-00131-V5
 Air - Title V Regular Permit Minor Mod

CRG 0004 CRG4 - Waukesha Engines (w/ NSCR)

- 103 [40 CFR 63.6640.b] Reestablish the values of the operating parameters measured during the initial performance test, if the catalyst is changed. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 104 [40 CFR 63.6655] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.
- 105 [40 CFR 64.6.d] Schedule for installation, testing or final verification of operational status: Permittee shall determine the following parameters within 180 days of issuance of this permit: 1.) Oxygen percent of gas into the catalyst, 2) Pre-catalyst temperature, 3) Post-catalyst temperature, and 4) Develop an inspection and maintenance (I & M) program for the engine. Permittee shall submit the results within 90 days of the completion of the determination of the parameters and shall submit an application to incorporate them in to the permit. [40 CFR 64.6(d)]
- 106 [LAC 33:III.1|01.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 107 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 108 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: Six-minute average
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 109 [LAC 33:III.507.H.1.a] Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O₂ in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 110 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 111 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

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CRG 0004 CRG4 - Waukesha Engines (w/ NSCR)

112 [LAC 33.III.507.H.1.a]

Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

CRG 0005 CRG5 - Glycol Dehydrator Still Column Vents

Group Members: EQT 0005 EQT 0013 EQT 0022 EQT 0031

113 [40 CFR 63.774.d]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in 40 CFR 63.774(d)(1)(i) or (d)(1)(ii), as applicable. Subpart HH. [40 CFR 63.774(d)]

VOC, Total >= 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33.III.2116.D.

114 [LAC 33.III.2116.B.2]

Which Months: All Year Statistical Basis: None specified

CRG 0006 CRG6 - Methanol Tanks

Group Members: EQT 0034 EQT 0035

115 [LAC 33.III.2103.A]

Equip with a submerged fill pipe.
 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3.a-e.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33.III.2103.I.1 - 7, as applicable.

116 [LAC 33.III.2103.H.3]

117 [LAC 33.III.2103.I]

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118 [40 CFR 63.6630.c]

Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645. Subpart ZZZZ. [40 CFR 63.6630(c)]

Report each instance in which each applicable emission limitation or operating limitation in 40 CFR 63 Subpart ZZZZ Tables 1a and 1b and Tables 2a and 2b were not met according to the requirements of 40 CFR 63.6650 Subpart ZZZZ. [40 CFR 63.6640(b)]
 Report each instance in which the applicable requirements in 40 CFR 63 Subpart ZZZZ Table 8 were not met. Subpart ZZZZ. [40 CFR 63.6640(c)]

119 [40 CFR 63.6640.b]

Submit all of the applicable notifications in 40 CFR 63.6645(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (e), (g), and (h) by the dates specified, as specified in 40 CFR 63.6645(b) through (l). Subpart ZZZZ.

120 [40 CFR 63.6640.e]

Report all deviations as defined in 40 CFR 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40

121 [40 CFR 63.6645]

CFR 71.6(a)(3)(iii)(A). Subpart ZZZZ. [40 CFR 63.6650(f)]

122 [40 CFR 63.6650.f]

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- 123 [40 CFR 63.6660] Submit startup, shutdown, and malfunction report: Due by fax or telephone within 2 working days after starting actions inconsistent with the startup, shutdown, and malfunction plan, and by letter within 7 working days after the end of the event unless alternate arrangements have been made with DEQ. Include in the report actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart ZZZZ.
- 124 [40 CFR 63.6650] Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.6650(c)(1) through (c)(6) and 40 CFR 63 Subpart ZZZZ Table 7 1.a, 1.b, or 1.c. Include the information in 40 CFR 63.6650(d)(1) and (d)(2) and 63.6650(e)(1) through (e)(12), if applicable. Subpart ZZZZ.
- 125 [40 CFR 63.6660.a] Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(a)]
- 126 [40 CFR 63.6660.b] Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart ZZZZ. [40 CFR 63.6660(b)]
- 127 [40 CFR 63.6660.c] Keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years of records may be kept off-site. Subpart ZZZZ. [40 CFR 63.6660(c)]
- 128 [40 CFR 63] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 129 [40 CFR 70.5.a.1.(iii)] Submit Title V permit application for renewal: Due 6 months days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 130 [40 CFR 70.6.a.3.(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 131 [40 CFR 70.6.a.3.(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 132 [40 CFR 70.6.c.5.(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 133 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 134 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 135 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 136 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

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- 137 [LAC 33.III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33.III.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33.III.2901.G.
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Submit Emission Inventory (EI)/Annual Emissions Statement Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33.III.919.A-D.